

FIG. 1a

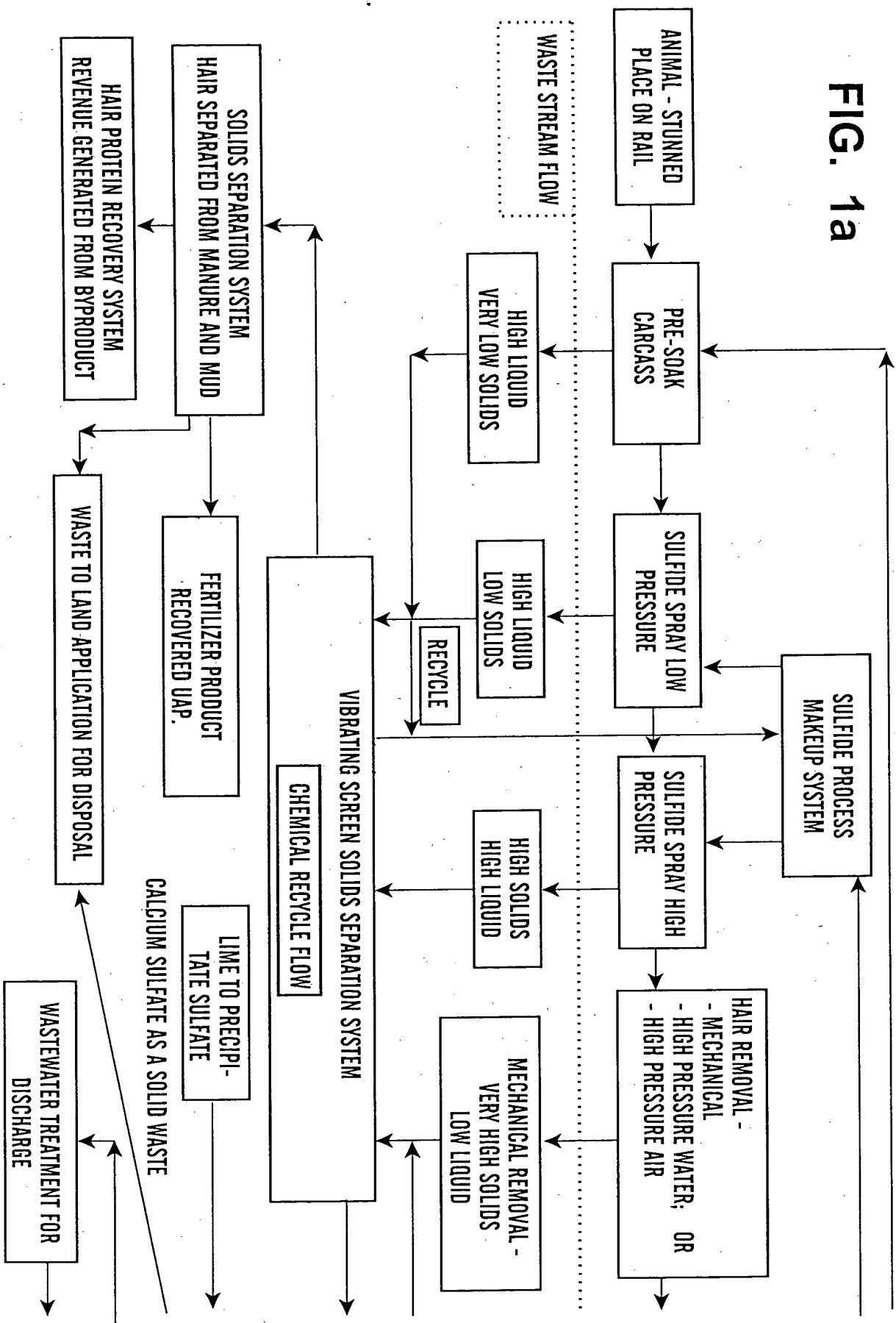


FIG. 1b

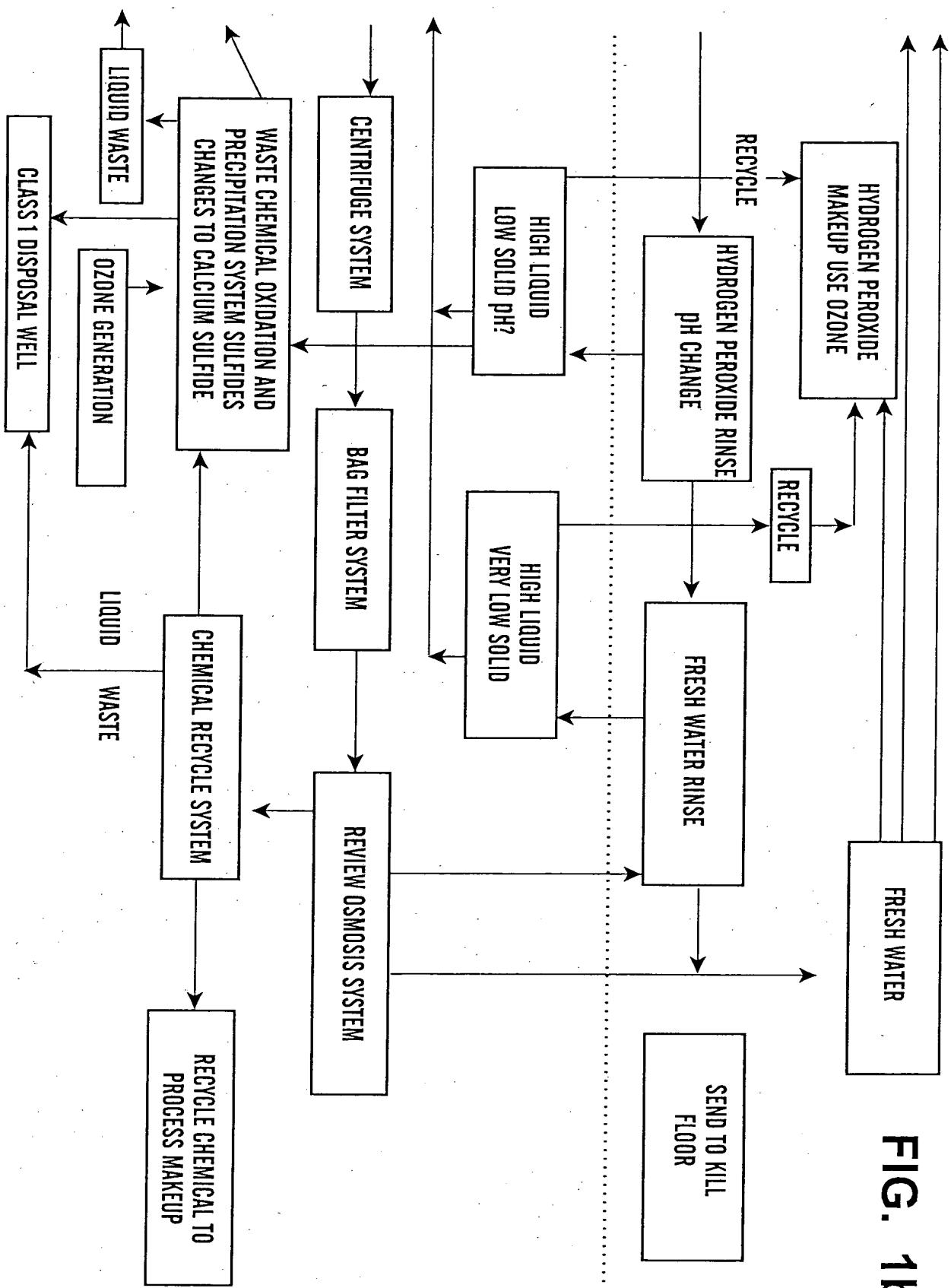


FIG. 2a

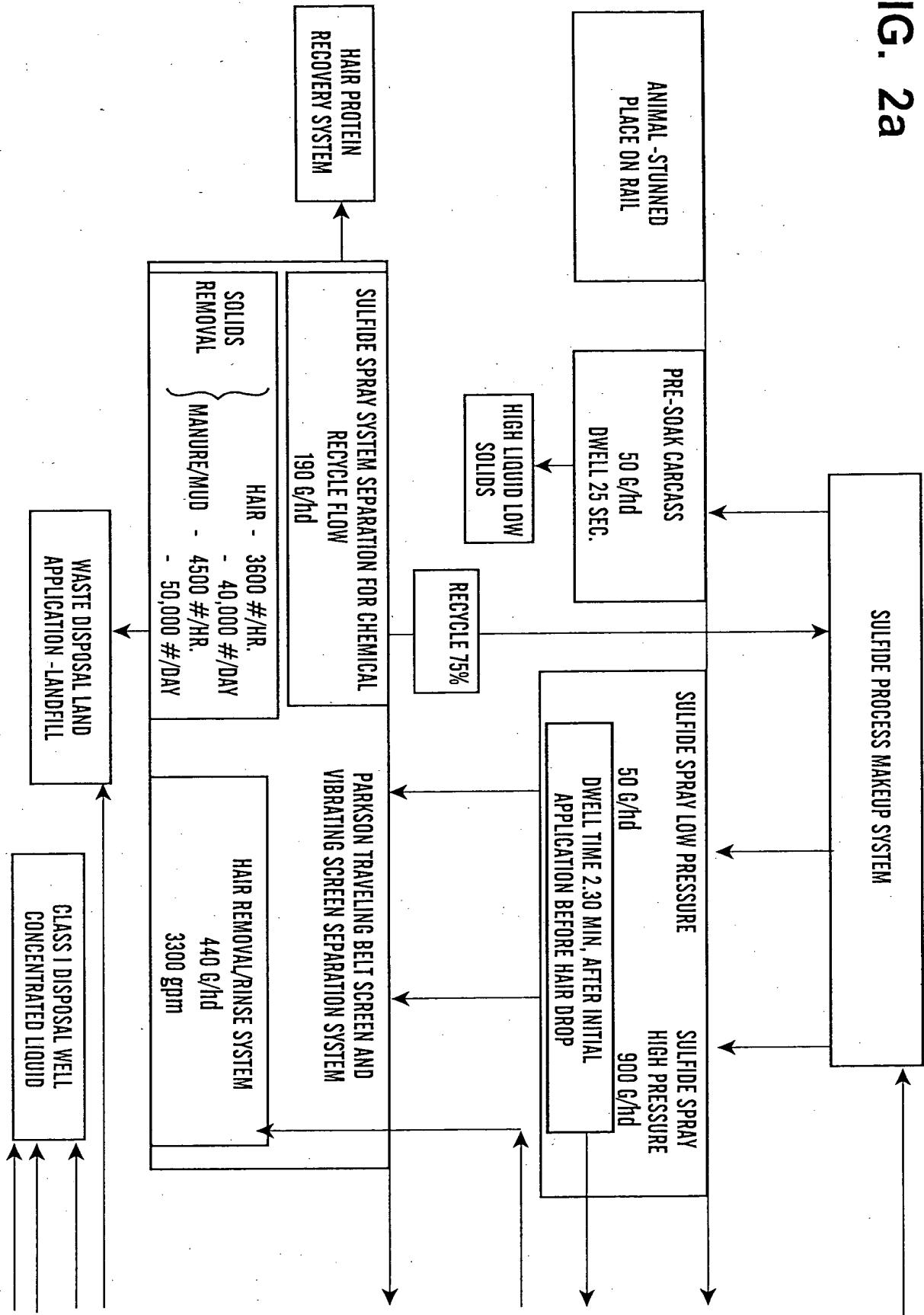
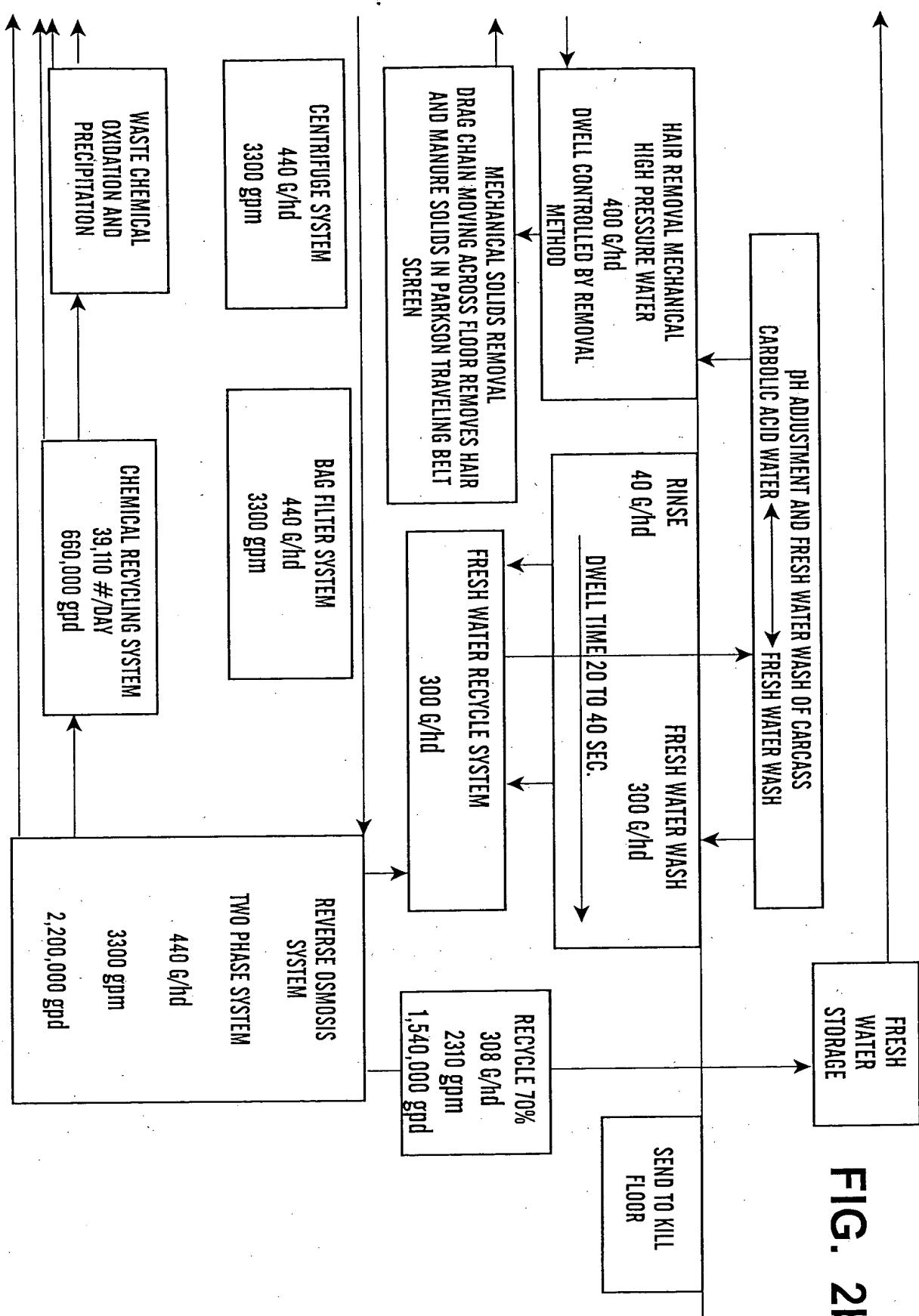


FIG. 2b



DE-HAIR PROCESS SYSTEM

SOLID & LIQUID WASTE STREAM

PARKSON TRAVELING
BELT-SCREEN

PARKSON TRAVELING
BELT SCREEN

VIBRATING
SCREEN
.040 OPENING

VIBRATING
SCREEN
.010 OPENING

HORIZONTAL
CENTRIFUGE

VERTICAL
CENTRIFUGE

PARKSON TRAVELING
BELT SCREEN

VIBRATING
SCREEN
.040 OPENING

VIBRATING
SCREEN
.010 OPENING

WASTE

WASTE FLOW

SOLIDS SEPARATION
SYSTEM
HAIR SEPARATED
FROM MANURE &
MUD. U.A.P.

MANURE, MUD,
DIRT, & ETC.

HAIR
PROTEIN RECOVERY

WASTE TO LAND APPLICATION MANURE,
SAND, SILT, DIRT, CALCIUM SULFATE & ETC.

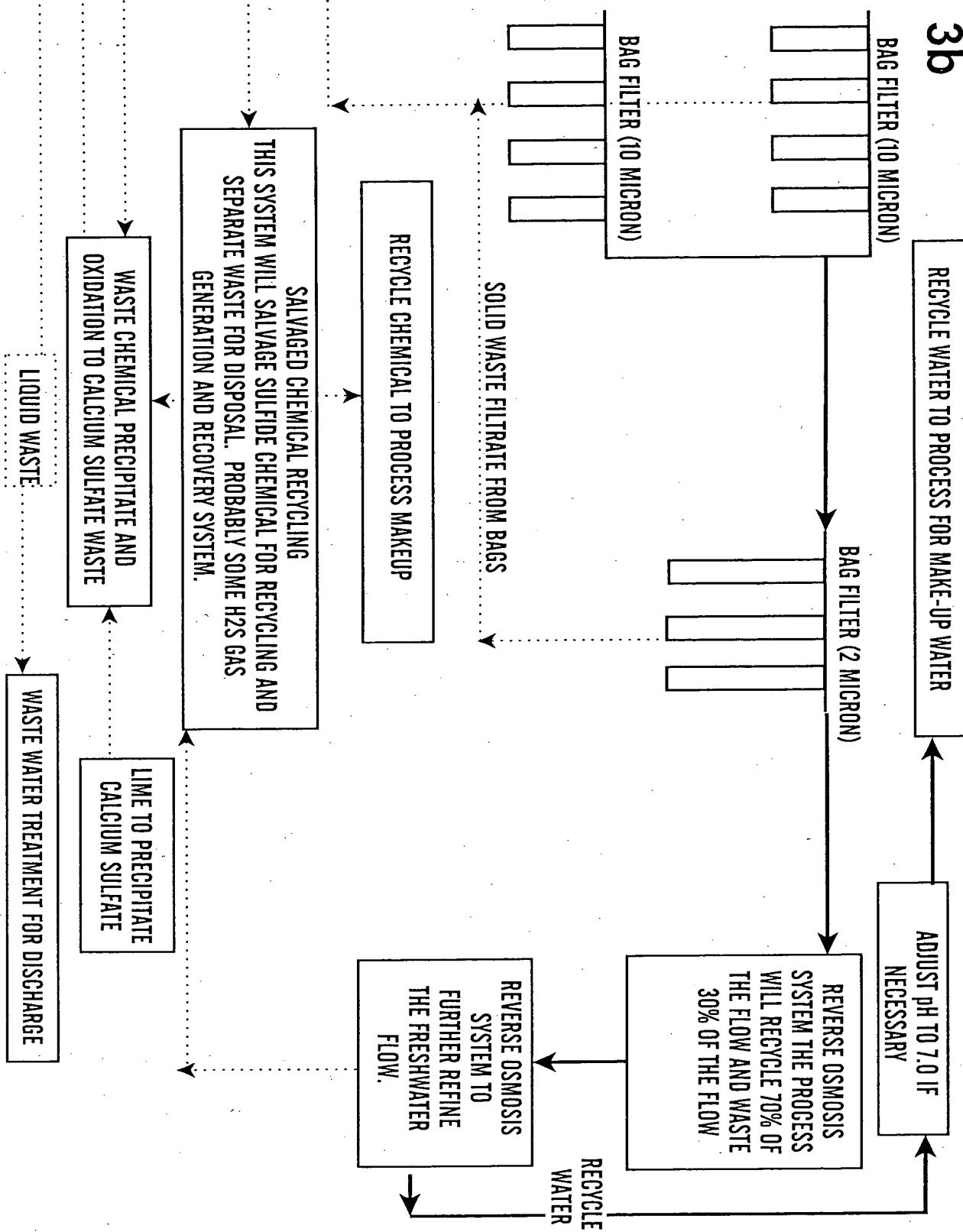
SOLID WASTE

OZONE GENERATION

CLASS 1 DISPOSAL WELL

FIG. 3a

FIG. 3b



DE-HAIR PROCESS SYSTEM

→ CHEMICAL RECYCLE FLOW?

SOLID & LIQUID WASTE STREAM

VIBRATING MICRON

VIBRATING SCREEN

VIBRATING SCREEN 10 MICRON

HORIZONTAL CENTRIFUGE

VERTICAL CENTRIFUGE

SOLIDS SEPARATION SYSTEM

HAIR SEPARATED FROM MANURE & MUD. U.A.P.

MANURE, MUD, DIRT, & ETC.

WASTE

WASTE FLOW

HAIR PROTEIN RECOVERY

WASTE TO LAND APPLICATION
MANURE, SAND, SILT, DIRT,
CALCIUM SULFATE & ETC.

OZONE GENERATION

SOLID WASTE

LIQUID WASTE

FIG. 4a

FIG. 4b

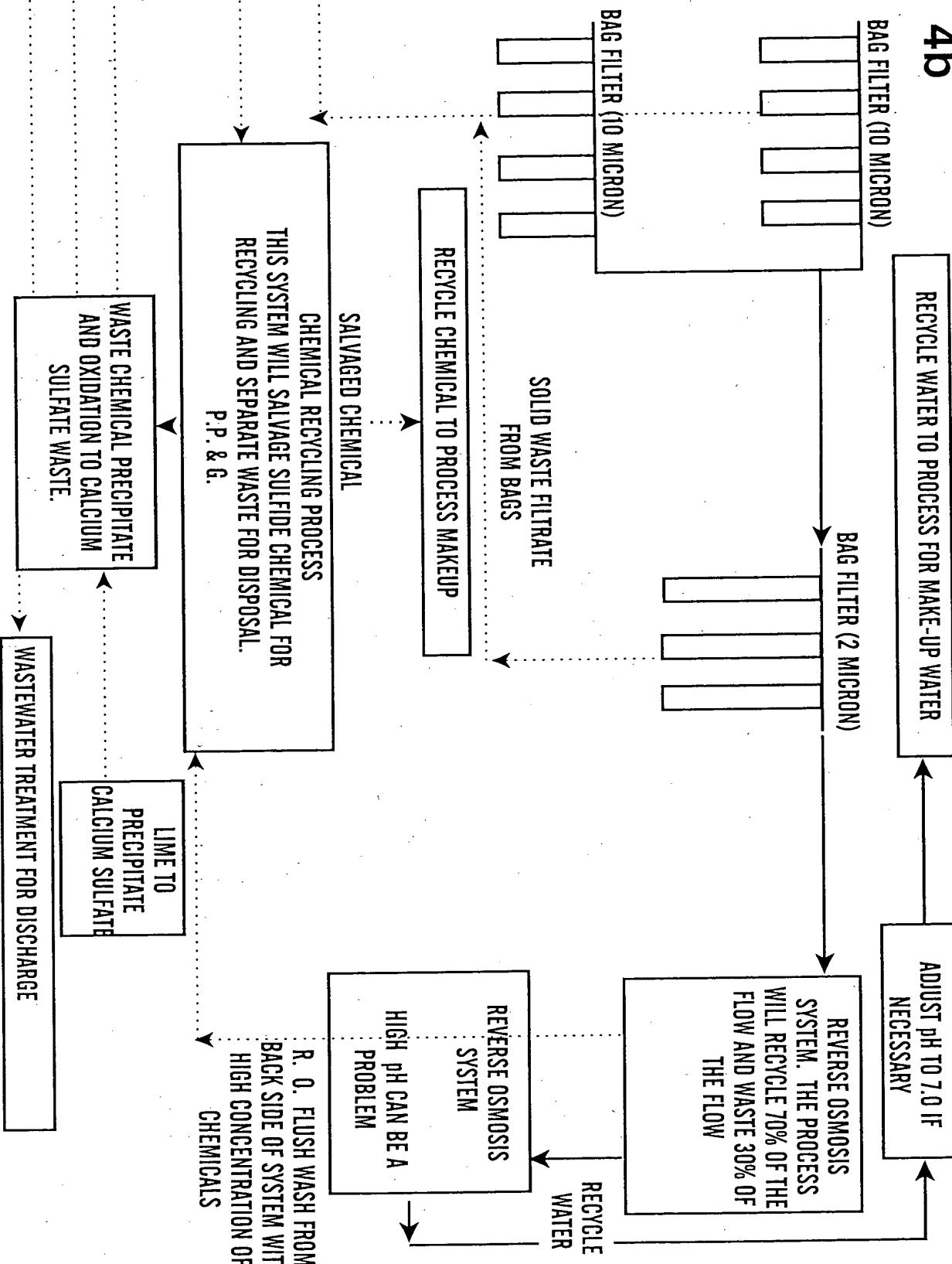


FIG. 5a

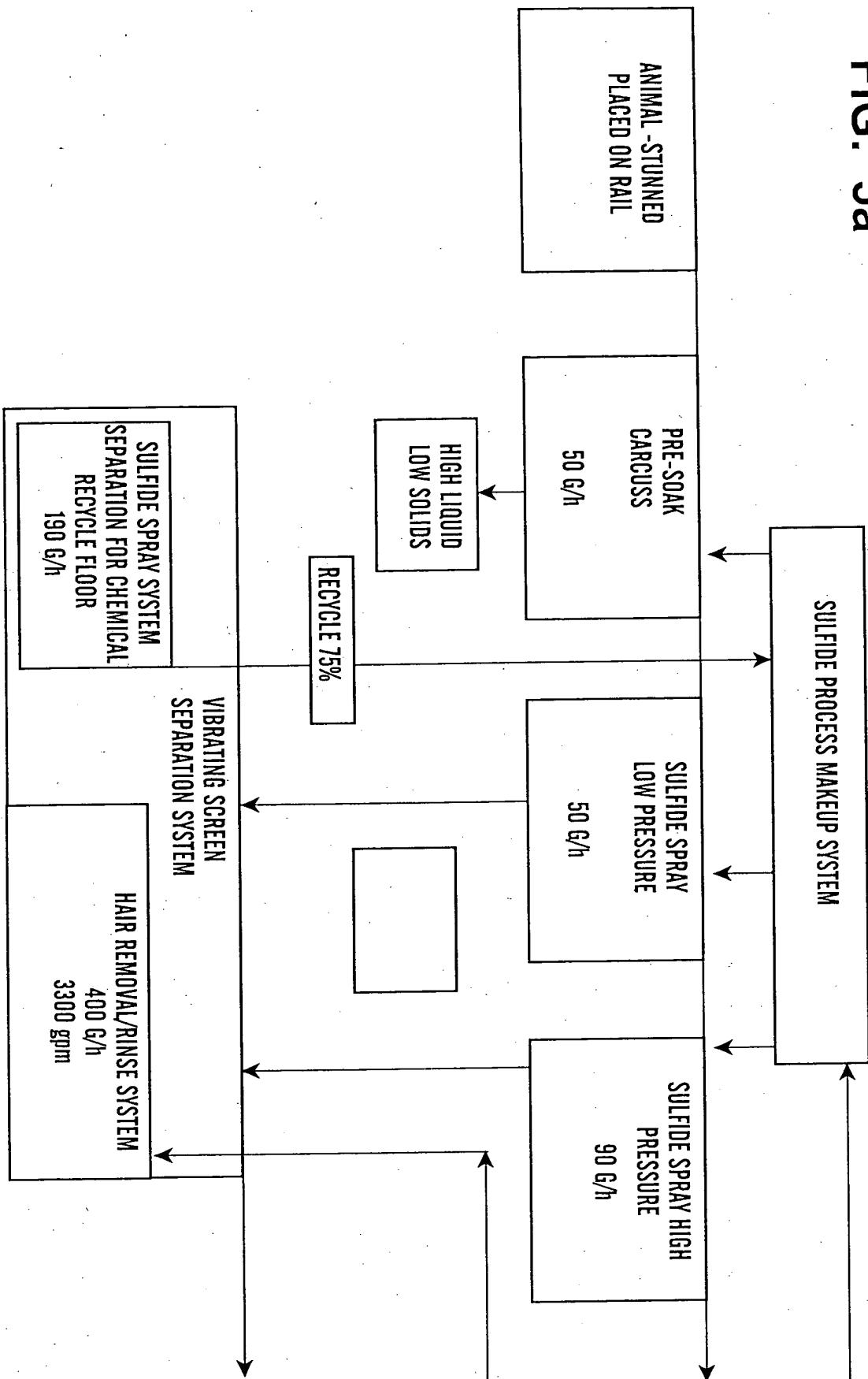
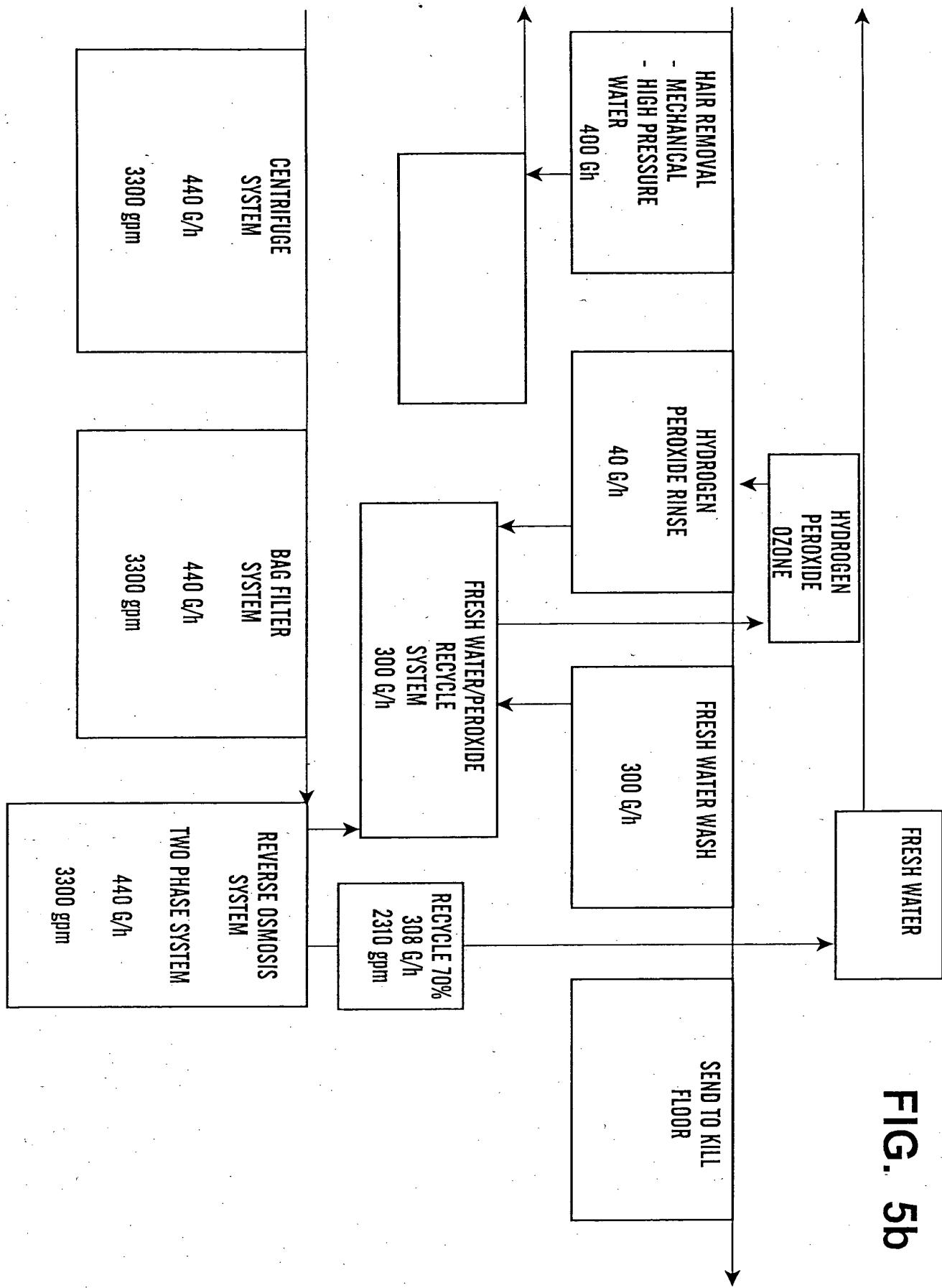


FIG. 5b



CHEMICAL RECYCLE PROCESS

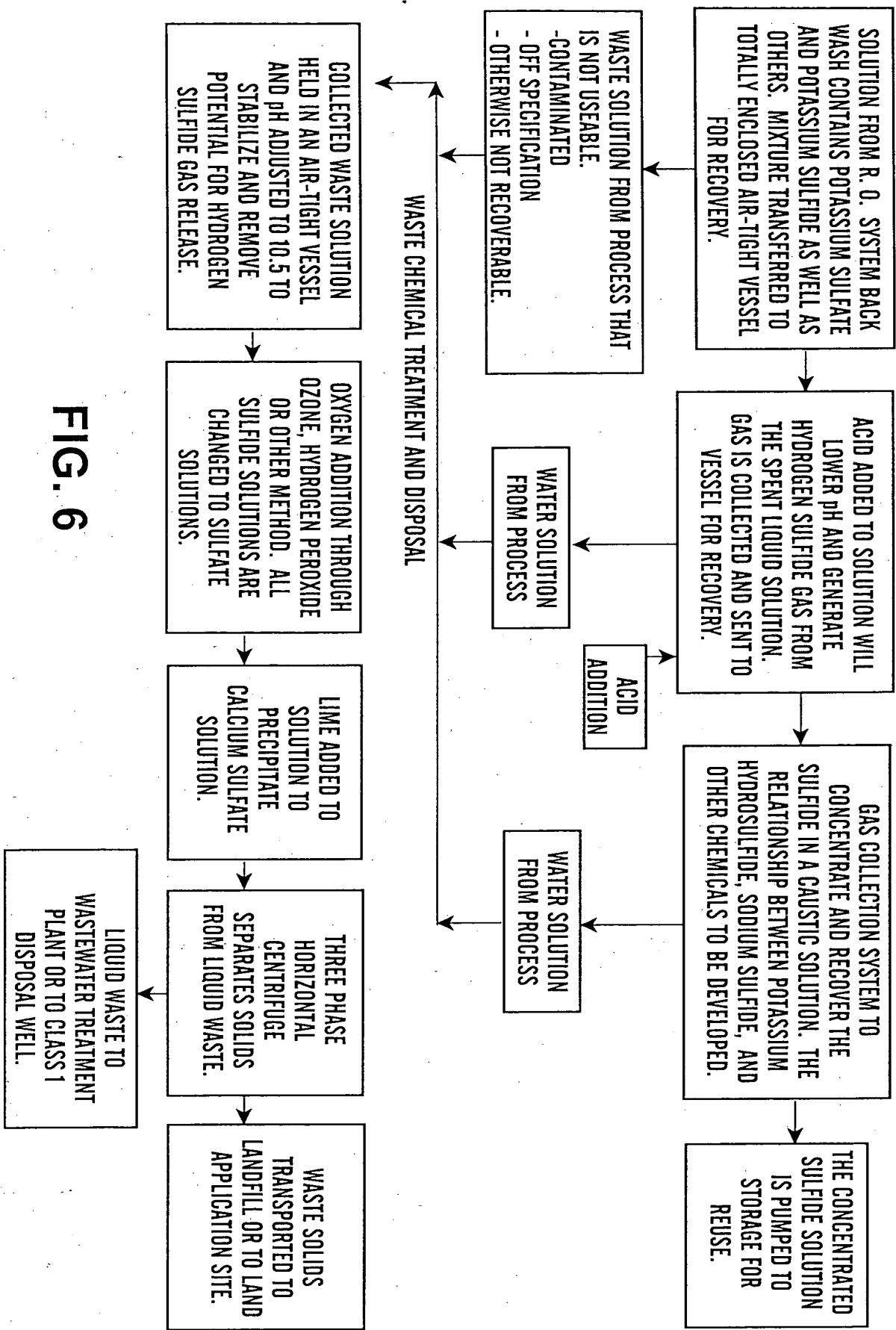


FIG. 6

FIG. 7b

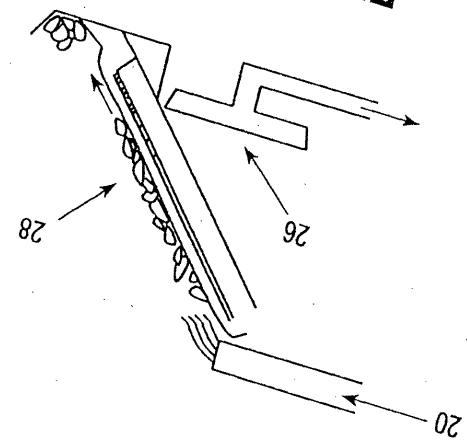


FIG. 7a

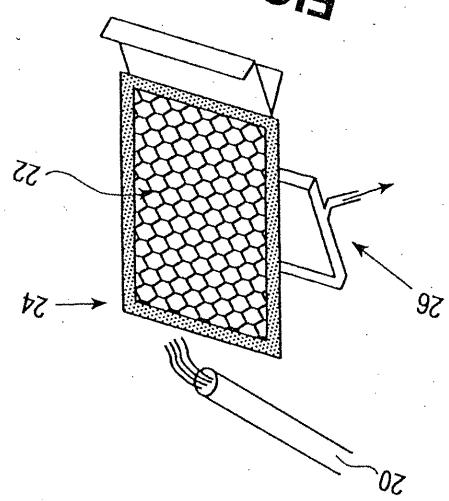


FIG. 8

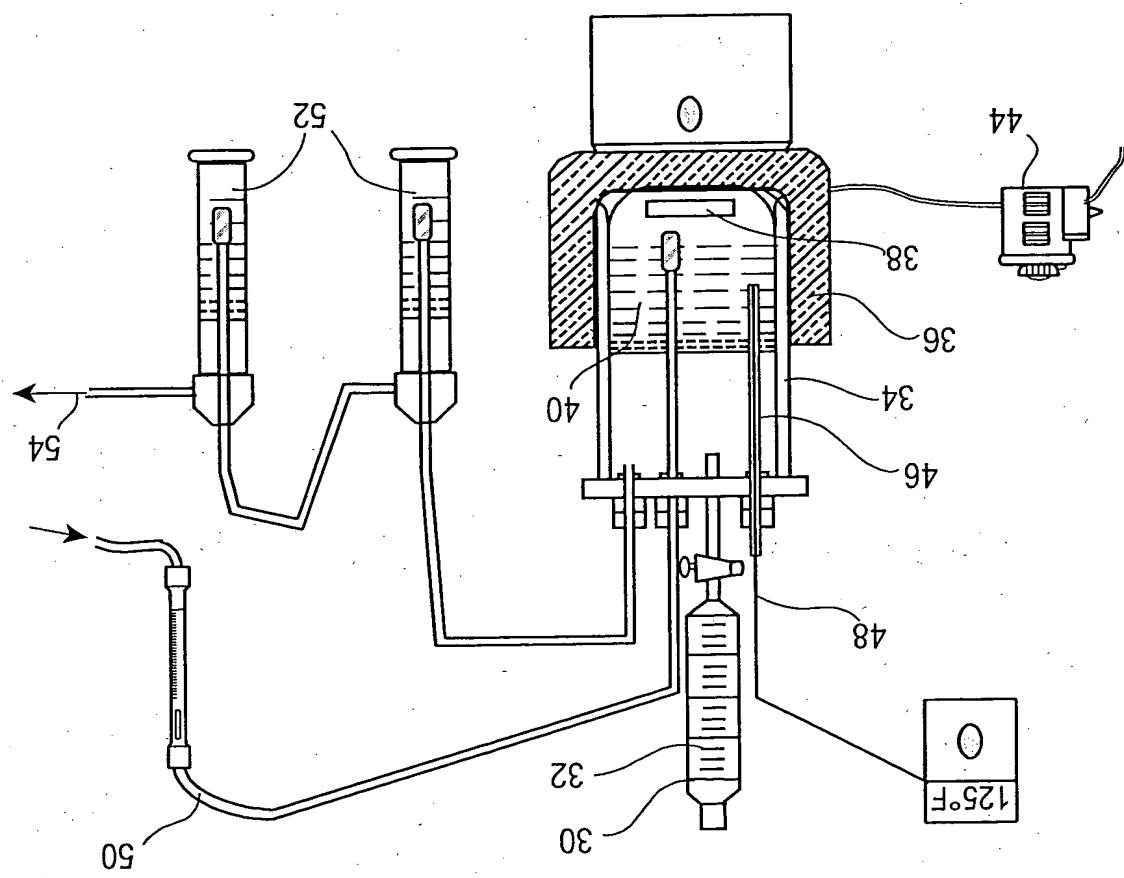


FIG. 9

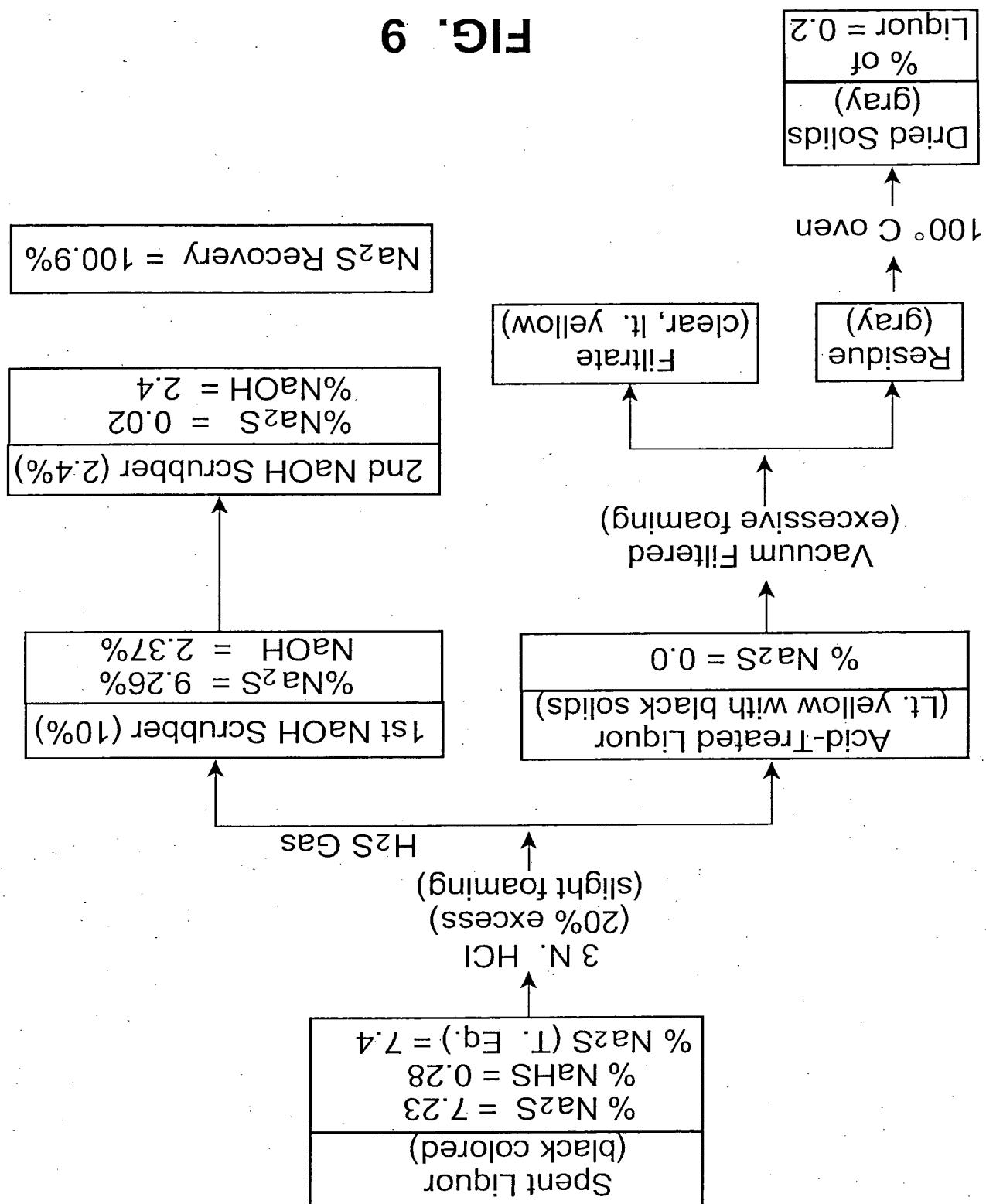


FIG. 10

